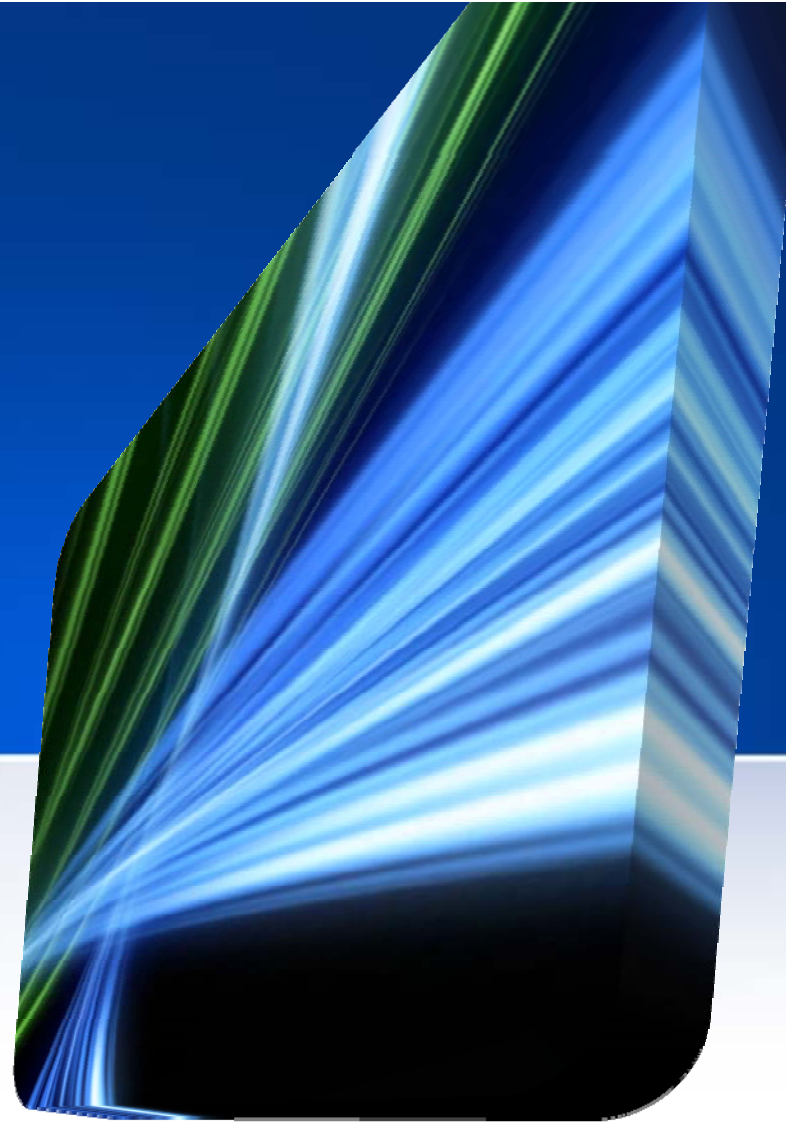


**Stuart Pierce –  
Avolve Internet  
Service**

*Avolve*



# Let There Be Light

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- Stuart grew up in a small community with a family owned ice cream parlor on the shores of Buckeye Ocean in Millersport, Ohio. It was in high school that he was first introduced to the world of computers by a TRS-80. Out of the mind were thoughts of being a doctor and a path was set for the data processing world.

May 19<sup>th</sup>, 2011

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# Career Driven

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- Attending a local technical college, COTC, he excelled in computer programming and was offered a job at graduation with the City of Columbus Ohio, Division of Electricity. Programming many systems and responsible for bringing to life the original plan of the trash burning power plant, in a few short years he was promoted to Information Systems Manager.

# Satisfying The Need

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- Accessing the internet was a natural path and AOL dial-up was the major catalyst for Stuart to start his dial-up Internet service, AscenTure in 1996. Slow at first, the business grew from the analog stage to the digital stage.
- After selling the AscenTure name and seeing how the industry was heading in terms of speed, the path was set in 1999 to jump into the wireless foray and have people as the name eludes, Avolve.

# Cut The Cord

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- Attending an intensive wireless IP conference where he would meet wireless advocates such as Patrick Leary, he sought out more insight and found Marlon Schafer in 2000 and the wireless network was born.
- Now covering much of Fairfield and parts of neighboring counties, we co-locate on water towers, grain legs, hill top houses to fill gaps and provide competition. We provide access starting at \$24.95 with speeds of 768k to 12megs.



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# Cut The Cord

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# Equipment Usage

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- Primarily we use Tranzeo & Ubiquiti
- Towers use Mikrotik for network management
- Using affordable and network efficient equipment for the client and Avolve

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# Right Way Challenges *Evolve*



- There are many obvious challenges to providing wireless service when using unlicensed frequencies in areas such as ours.
- The landscape of our rural country side territory provides an abundant amount of trees as well as the rolling hill aspect.
- Hilltop private structures from which to provide service are very far apart and few.

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# Right Way Challenges

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# Area Clientele & Economy

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- Majority of clientele are farmers and low income families
- Businesses are secondary but coming around
- Cost cutting individuals turn to un-bundling



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# Utilizing 3650

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- The 3650 licensed frequency is a help as well, enabling wireless service to be provided in a band not so polluted with other devices not meant for communications.
- The hurdles to the 3650 usage are not so much the registering of the base station, but the registering of each CPE. A streamlined process would be very favorable and advantageous to the usage of this band.
- Utilizing the 3650 band will prove to provide better wireless service in the other 900, 2.4 and 5.8 frequencies simply by it's usage.

# *Avolve*



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